

Figure 1

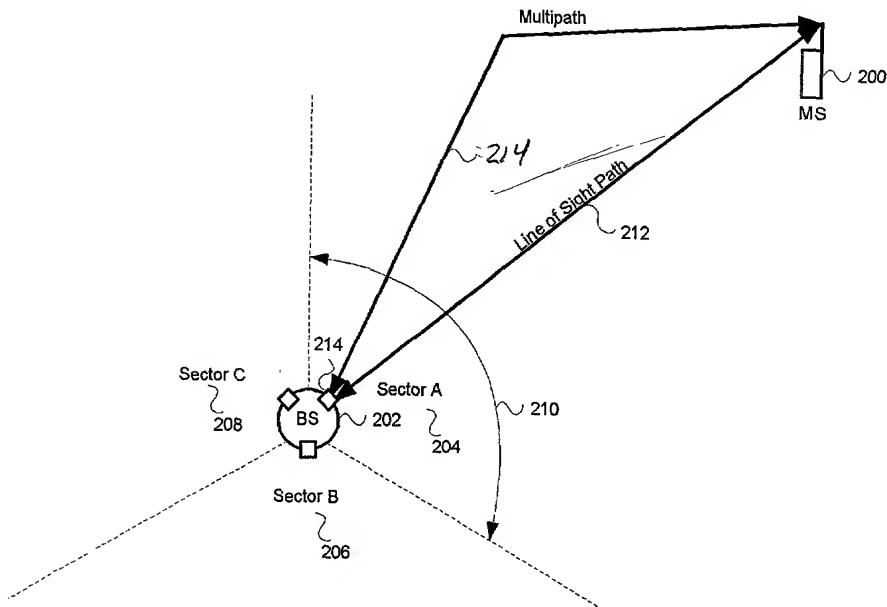


Figure 2

FOR FILING

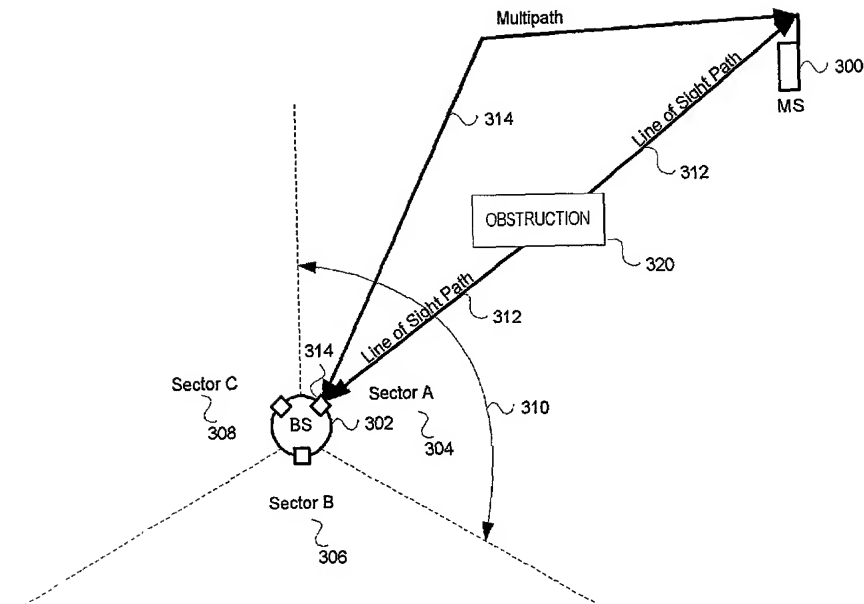


Figure 3

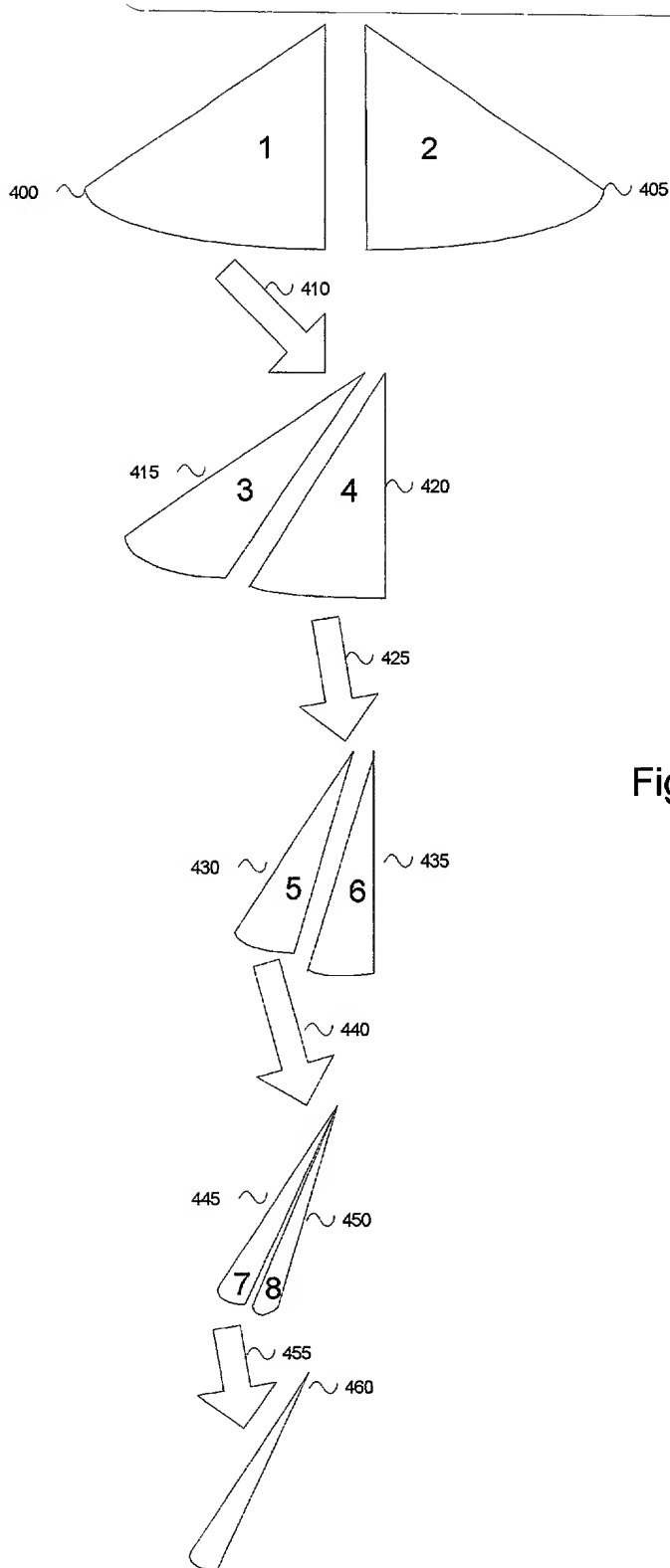


Figure 4

Applicant(s): Jason Hunzinger

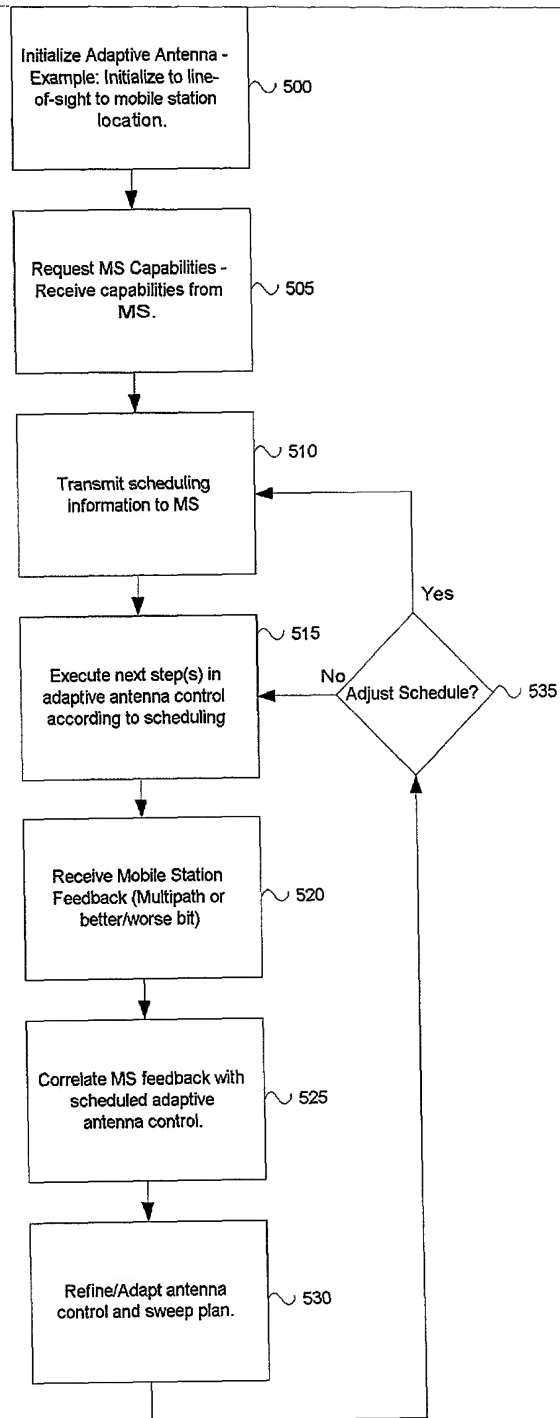
INTELLIGENT BASE STATION ANTENNA BEAM-STEERING
USING MOBILE MULTIPATH FEEDBACK

Figure 5

Reverse-Link Multipath Feedback Message (EXAMPLE)

[Header]
Number of Pilots (optional)
 Reference Pilot 1 PN (optional)
 Reference path strength (serves as a reference for relative strength)
 Number of Multipaths
 Path 2 strength (or relative strength)
 Path 2 relative position
 Path 3 strength (or relative strength)
 Path 3 relative position
 [...]
 Pilot 2 PN (optional)
 Reference path strength (serves as a reference for relative strength)
 Number of Multipaths
 Path 2 strength (or relative strength)
 Path 2 relative position
 Path 3 strength (or relative strength)
 Path 3 relative position
 [...]
[...]

NOTE: Alternatively, the Number of Pilots and pilot PNs may be omitted (see optional qualifier and instead be implicitly known by including all active set plots in the order in which they were received in the last handoff message from the infrastructure.

Figure 6